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XP-002125199

AN - 1994-165770 [20]

AP - SU19914903683 19910118

CPY - DNEP-R

DC - M14

DR - 1640-U 1724-U

FS - CPI

IC - C23C22/53

IN - NAGIRNYI V M; PRIKHODKO L A

MC - M14-D

PA - (DNEP-R) DNEPR MASH TECHN INST

PN - SU1801987 A1 19930315 DW199420 C23C22/53 002pp

PR - SU19914903683 19910118

XA - C1994-076129

XIC - C23C-022/53

AB - SU1801987 Galvanic coatings obtd. from Zn alloys contg. 5-15% Ni, and which are applied to carbon steel and low-alloy steel components after stamping or machining, are blackened by treatment in an acidic soln. at room temp. The soln. contains (in g/litre) HNO₃ 70-100 and sulphamic acid 0.5-1.5.

- Specimens of coated steel are acid treated at 18-25 deg.C for 5-20 seconds and then heated at 200-250 deg.C for 1-1.5 hours. Coating quality is assessed visually.

- USE/ADVANTAGE - In mechanical engineering and the aircraft industry for prodn. of protective and decorative coatings. The process is simplified.(Dwg.0/0)

IW - CHEMICAL BLACKEN GALVANIC ZINC@ NICKEL@ ALLOY COATING PROTECT DECORATE PURPOSE TREAT SOLUTION CONTAIN NITRIC ACID SULPHAMIC ACID ROOM TEMPERATURE SIMPLIFY PROCESS

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INW - NAGIRNYI V M; PRIKHODKO L A

NC - 001

OPD - 1991-01-18

ORD - 1993-03-15

PAW - (DNEP-R) DNEPR MASH TECHN INST

TI - Chemical blackening of galvanic zinc@-nickel@ alloy coatings for protective and decorative purposes - Involves treatment with soln. contg. nitric acid and sulphamic acid at room temp. to simplify process